

Agriculture

Sustainable Future

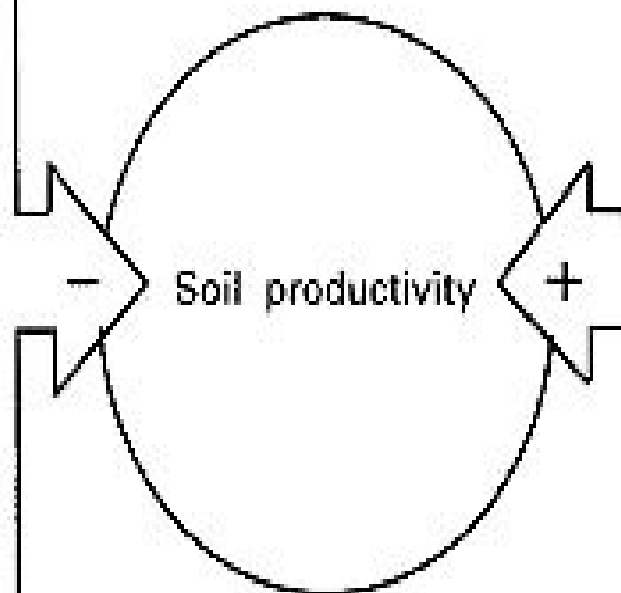


Unknown - “Man — despite his artistic pretensions, his sophistication, and his many accomplishments — owes his existence to a six inch layer of topsoil and the fact that it rains.”



Soil Degradation Processes

Soil erosion
Nutrient runoff
Waterlogging
Desertification
Acidification
Compaction
Crusting
Organic matter loss
Salinization
Nutrient depletion
by leaching
Toxicant accumulation



Soil Conservation Practices

Conservation tillage
Crop rotations
Improved drainage
Residue management
Water conservation
Terracing
Contour farming
Chemical fertilizers
Organic fertilizers
Improved nutrient cycling
Improved systems to match
soil, climate and cultivars

The four agricultural management practices of CORE 4



1. Conservation tillage
2. Crop nutrient management
3. Pest management
4. Conservation buffers



... and four more from EPA's
Nonpoint Management Measures

5. Irrigation water management
6. Grazing management
7. Animal feeding operations management
8. Erosion and sediment control



Cover Crops



Structural Practices



Stream Protection



Thank you

- Kathy Zimmerman
- Agricultural Marketing Specialist
- Howard County Economic Development Authority
- 410-313-6500



Speakers

- **Ned Tillman**, Chair, Env. Sustainability Board
 - **Josh Feldmark**, Office of Env. Sustainability
 - **Liz Bobo**, Maryland House of Delegates
 - **Jim Caldwell**, CivicUs - Business Community
 - **Ken Roey**, HC Public School System
 - **Lynn Coleman**, Howard Community College
 - **Maura Rossman**, Health Department
 - **Kathy Zimmerman**, HCEDA – Agriculture
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- **Ken Ulman**, County Executive

